

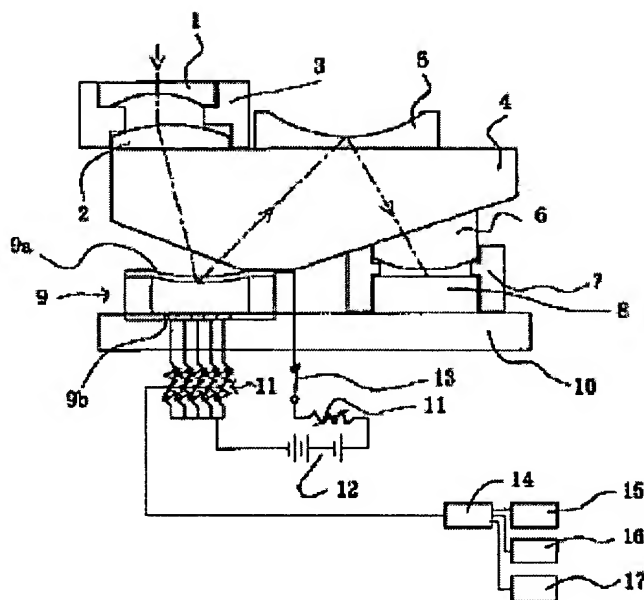
**OPTICAL DEVICE**

**Patent number:** JP2000267010  
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**Classification:**  
- **international:** G02B17/00; G02B3/14; G02B5/10; G02B15/00;  
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- **european:**  
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**Abstract of JP2000267010**

**PROBLEM TO BE SOLVED:** To obtain various kinds of optical devices constituted so that the change of image forming performance or various kinds of optical performances occurring by the change of temperature and humidity can be compensated. **SOLUTION:** The optical device is provided with lenses 1, 2 and 6, a prism 4, optical characteristic varying mirrors 9 and mirror 5 in order to form the image of incident light on a solid-state image pickup element 8. The mirror 9 is constituted of a thin film (reflection surface) 9a and plural divided electrodes 9b. By changing voltage applied to the electrodes 9b according to signals from a temperature sensor 15, a humidity sensor 16 and a distance sensor 17 through an arithmetic device 14, the shape of the reflection surface 9a is changed so as to compensate the change of an optical characteristic occurring by the change of the temperature and the humidity of respective optical elements. Thus, a clear object image is always formed on the image receiving surface of the element 8.



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